

head, a hoop-driving head, a lever bearing upon the stave-receiving head and serving to lock the same in operative position, a rod or bar connected to the lever and engaging with the hoop-driving head, and a spring for restoring the locking-lever to its normal position when the operating-rod is released from the control of the hoop-driving head, all substantially as specified.

8. The combination of a stave-receiving head, a hoop-driving head, a lever for locking said stave-receiving head in its operative position, rods connected to the locking-lever and to the stave-receiving head and engaging successively with the hoop-driving head on its backward movement, whereby the stave-receiving head is first unlocked and then retracted, all substantially as specified.

9. The combination of the stave-receiving head, the hoop-driving head, a lever engaging with said stave-receiving head and serving to lock the same in operative position, a rod connected to said lever and engaging with the hoop-driving head on its backward movement, a trip-plate for releasing the rod from the control of the hoop-driving head, and a spring for restoring the locking-lever to its normal position on the release of its operating-rod, all substantially as specified.

10. The combination of the stave-receiving

head, the hoop-driving head, a lever engaging with the stave-receiving head and locking the same in operative position, rods connected to said locking-lever and to the stave-receiving head and engaging successively with the hoop driving head as the latter is retracted, and trippers acting successively first upon the rod of the lever and then upon the rod of the stave-receiving head to release them from the control of the hoop-driving head, all substantially as specified.

11. The combination, in a barrel-setting-up machine, of the stave-receiving heads, the hoop-driving heads, a cradle located between the stave-receiving heads and pivoted to the frame of the machine, and a treadle connected to said cradle, whereby on depressing the treadle the cradle is adjusted to form an inclined plane on which the barrel can roll from the machine when released from the stave-receiving head, all substantially as specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

MARIA E. BEASLEY.

JOHN GEORGE REHFUSS.

GEORGE M. NEWHALL.

Witnesses:

WILLIAM D. CONNER,

HARRY SMITH.